



```
glMatrixMode( GL_PROJECTION );
glLoadMatrix( intrinsic matrix of projector );
glMultMatrix( xform for rendering view )
glMultMatrix( inverse(xform for shading view) );
glMatrixMode( GL_MODEL_VIEW );
glLoadMatrix( xform for shading view );
// set virtual light position(s)
// render graphics model
```

FIG. 2

FIG. 2

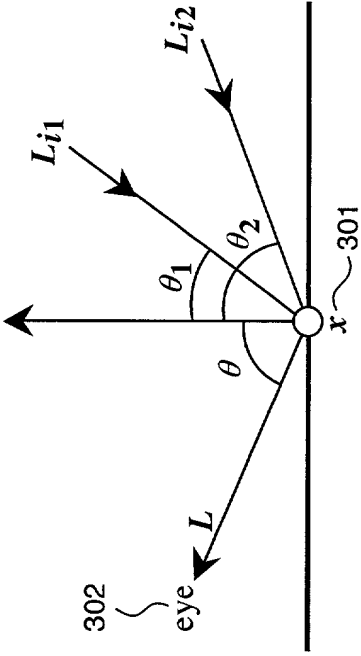


FIG. 3a

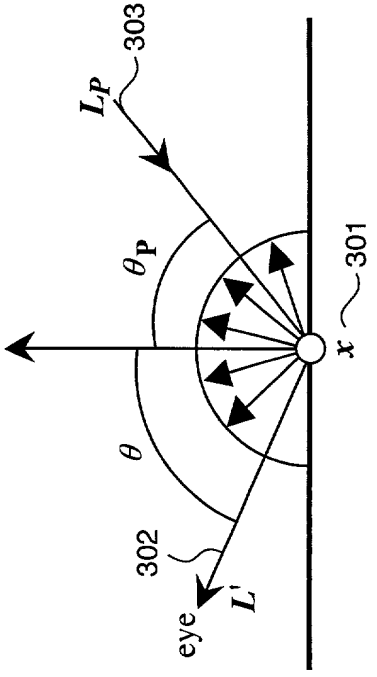
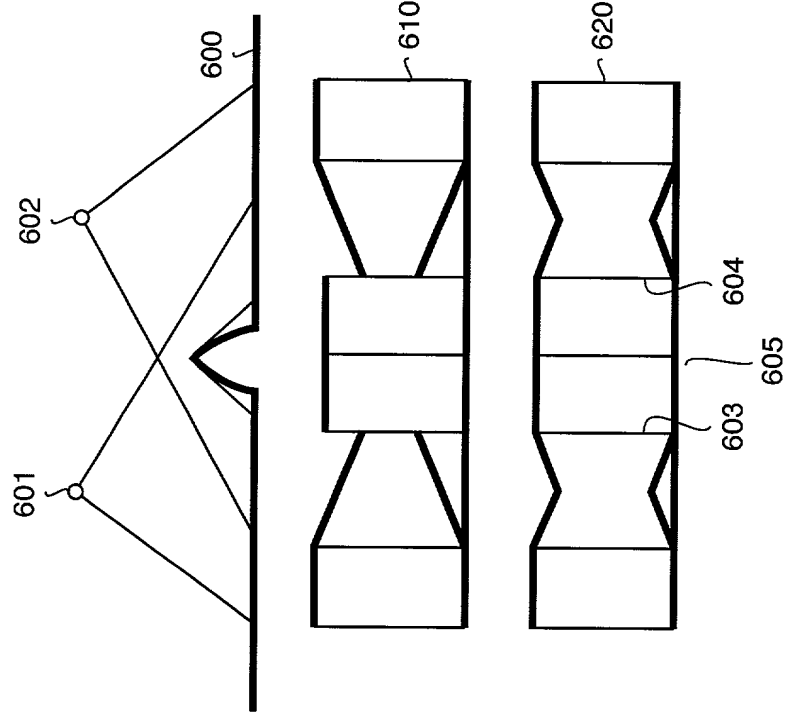


FIG. 3b







**FIG. 6**

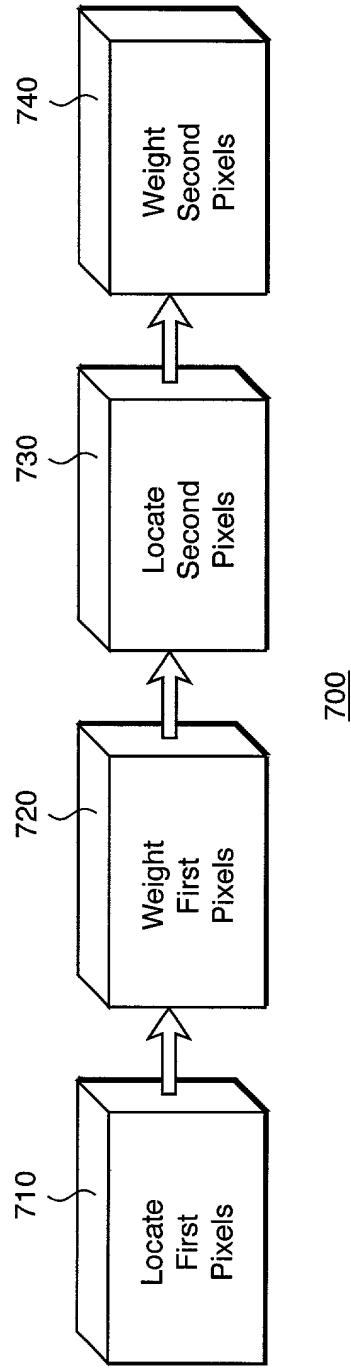


FIG. 7

At each projector,

Compute boundaries between regions of overlap count 1 and  $>1$   
 Compute depth discontinuities using edge detection in depth buffer  
 For each pixel in overlap region

update shortest distance to overlap count = 1 region ignoring paths crossing depth discontinuity

At each projector,

For each pixel in overlap region

Find all corresponding pixels in other projectors

Assign weights inversely proportional to the shortest distance

FIG. 8



